A9920-5

The Society of the
Plastics Industry, Inc.

SPI

Monthly Statistical Report-Resins

1275 K Street, N.W., #400
Washington, D.C. 20005
(202) 371-5200

FOR THE MONTH AND PERIOD ENDED

JULY 31, 1990

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING & THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN
QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

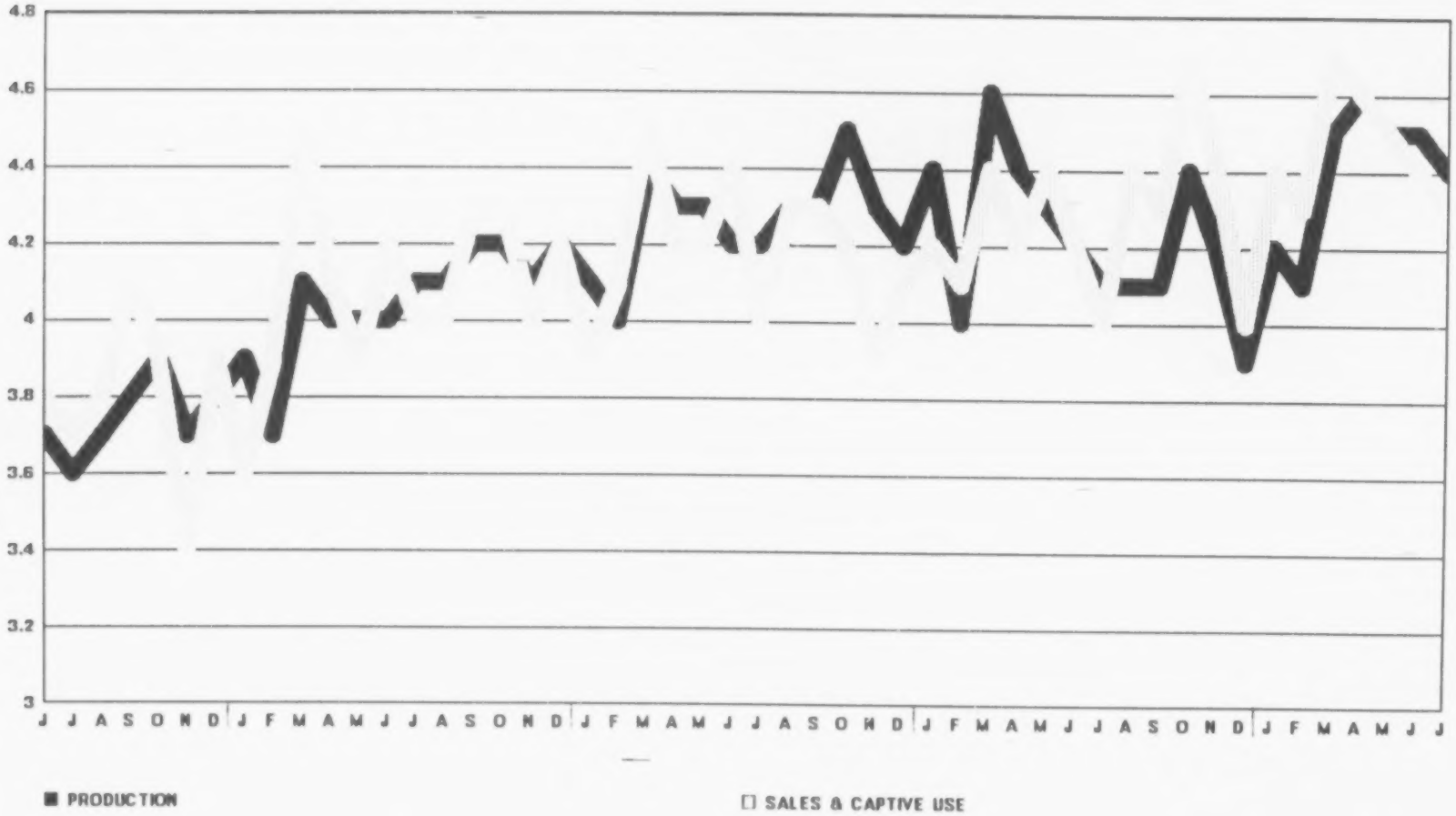
Release Date: September 14, 1990

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(BILLIONS OF POUNDS)

JULY 1990



THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

MONTHLY STATISTICAL REPORT

(Thousands of pounds, dry weight basis)(1)

JULY 1990

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
EPOXY RESIN, TOTAL	37,512	39,181	-4.3	277,220	294,377	-5.8	44,770	48,908	-8.5	299,213	317,432	-5.7
POLYESTER (UNSATURATED) RESINS, TOTAL	93,978	96,156	-2.3	730,442	796,722	-8.3	96,565	99,877	-3.3	740,538	800,553	-7.5
UREA RESINS, TOTAL	115,239	120,595	-4.4	869,218	827,674	5.0	121,264	121,362	-0.1	900,926	832,843	8.2
MELAMINE RESINS, TOTAL	14,802	15,008	-1.4	99,689	125,918	-20.8	16,099	16,286	-1.1	116,420	132,852	-12.4
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	253,035	239,377	5.7	1,760,622	1,691,499	4.1	253,532	236,492	7.2	1,767,418	1,704,813	3.7
THERMOSETTING RESINS, TOTAL	514,566	510,317	0.8	3,737,191	3,736,190	0.0	532,230	522,925	1.8	3,824,515	3,788,493	1.0
LOW-DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	559,087	527,120	6.1	4,052,289	3,891,671	4.1	621,749	506,442	22.8	4,196,241	3,896,168	7.7
LINEAR-LOW DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	361,437	301,974	19.7	2,606,984	2,080,948	25.3	332,861	263,766	26.2	2,185,210	1,769,082	23.5
HIGH-DENSITY POLYETHYLENE (ABOVE 0.940), TOTAL	708,533	651,352	8.8	4,774,015 R	4,598,598	3.8	712,497	685,788	3.9	4,702,110	4,760,354	-1.2
POLYPROPYLENE, TOTAL	635,972	531,592	19.6	4,691,832	4,218,443	11.2	680,149	575,745	14.7	4,820,632	4,294,609	12.2
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	101,372	88,783	14.2	693,530 R	750,580	-7.6	109,789	106,437	3.1	688,037 R	819,260	-16.0
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	10,824	8,255	31.1	77,810 R	66,659	16.7	11,400	8,686	31.2	74,505	72,555	2.7
POLYSTYRENE RESINS, TOTAL	432,997	408,373	6.0	3,024,490	3,030,515	-0.2	440,912	428,194	3.0	2,930,822	3,046,861	-3.8
STYRENE BASED LATEXES, TOTAL ***	82,878	80,365	3.1	632,214	597,113	5.9	80,330	74,362	8.0	594,150	569,704	4.3
OTHER STYRENICS, TOTAL (40% or More Styrene)	11,037	10,687	3.3	90,513	90,563	-0.1	10,487	9,576	9.5	84,606	84,667	-0.1
NYLON RESINS (6)	45,043	44,540	1.1	331,228	347,562	-4.7	49,381	46,358	6.5	335,594	344,607	-2.6
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	706,152	636,774	10.9	5,339,663	4,895,767	9.1	711,730	702,002	1.4	5,272,547	4,964,681	6.2
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
POLYVINYL ALCOHOL, TOTAL (3)	D	D		D	D		D	D		D	D	
OTHER VINYL RESINS (4)	12,944	15,495	-16.5	111,454	117,445	-5.1	15,214	19,033	-20.1	126,805	130,909	-3.1
THERMOPLASTIC POLYESTER, TOTAL (6)	150,753	139,671	7.9	1,097,618	981,475	11.8	153,661	124,346	23.6	1,078,919	958,832	12.5
THERMOPLASTIC RESINS, TOTAL	3,819,029	3,444,981	10.9	27,523,640	25,667,339	7.2	3,910,160	3,550,735	10.1	27,090,178 R	25,712,289	5.4
GRAND TOTAL	4,333,595	3,955,298	9.6	31,260,831 R	29,403,529	6.3	4,442,390	4,073,660	9.1	30,914,693 R	29,500,782	4.8

(1) = Except phenolic resins which are reported on a gross weight basis.

*** = Sales and Captive Use figures include some Canadian produced materials.

(2) = The publishing of PVAC has been suspended.

D = Disclosure.

N/A = Not Available.

(3) = The publishing of PVOH data has been suspended.

(4) = Includes only polyvinyl butyral, polyvinyl formal, and polyvinyliden

(6) = Data includes Sales from Imports.

R = Revision.

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

Copyright 1990 The Society of the Plastics Industry, Inc.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
EPOXY RESIN, TOTAL	37,512	39,181	-4.3	277,220	294,377	-5.8	44,770	48,908	-8.5	299,213	317,432	-5.7
Exports, Total	5,499	6,683	-17.7	41,576	55,187	-24.7						
Captive Use, Total	1,375	1,773	-22.4	9,848	10,184	-3.3						
Domestic Sales, Total	30,638	30,725	-0.3	225,796	229,006	-1.4						
Domestic Sales & Captive Use,Total	32,013	32,498	-1.5	235,644	239,190	-1.5						
Bonding & Adhesives	2,142	2,017	6.2	16,623	15,148	9.7						
Flooring, Paving & Exposed Aggregate	2,170	2,305	-5.9	16,009	14,433	10.9						
Protective Coatings	16,327	14,981	9.0	116,615	115,454	1.0						
Fiber Reinforced Laminates & Composites	5,729	7,073	-19.0	48,409	51,784	-6.5						
FRL&C for Printed Wiring Board	3,679	5,040	-27.0	32,010	36,252	-11.7						
All Other FRL&C	2,050	2,033	0.8	16,399	15,532	5.6						
Tooling, Casting & Molded Resins	2,277	2,304	-1.2	16,339	18,270	-10.6						
All Other Uses	3,368	3,818	-11.8	21,649	24,101	-10.2						
POLYESTER (UNSATURATED) RESINS, TOTAL(E)	93,978	96,156	-2.3	730,442	796,722	-8.3	96,565	99,877	-3.3	740,538	800,553	-7.5
Total Exports	1,657	2,476	-33.1	13,474	15,071	-10.6						
Total Domestic	92,321	93,680	-1.5	716,968	781,651	-8.3						
General Purpose Resins, Total	79,060	80,326	-1.6	619,876	674,024	-8.0						
General Purpose - Thixotropic	32,993	34,801	-5.2	247,227	301,196	-17.9						
General Purpose - Press Molding	10,928	8,840	23.6	84,558	76,519	10.5						
General Purpose - Panel	6,584	N/A		50,914	N/A							
General Purpose - All Other	28,555	36,685	-22.2	237,177	296,309	-20.0						
Flame Retardant Resins	2,075	1,773	17.0	13,920	13,871	0.4						
Chemical Resistant Resins, Total	11,186	11,581	-3.4	83,172	93,756	-11.3						
Chemical Resistant Isophthalic Resins	7,871	8,549	-7.9	59,942	71,839	-16.6						
All Other Chemical Resistant Resins	3,315	3,032	9.3	23,230	21,917	6.0						
Reinforced Plastic, Total	66,812	67,914	-1.6	524,724	587,930	-10.8						
Non-Reinforced Plastics, Total	25,509	25,766	-1.0	192,244	193,721	-0.8						

(E) = Estimate - Data includes estimates for one company.

N/A = Not Available

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)(1)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
UREA RESINS, TOTAL	115,239	120,595	-4.4	869,218	827,674	5.0	121,264	121,362	-0.1	900,926	832,843	8.2
MELAMINE RESINS, TOTAL	14,802	15,008	-1.4	99,689	125,918	-20.8	16,099	16,286	-1.1	116,420	132,852	-12.4
UREA & MELAMINE RESINS, TOTAL	130,041	135,603	-4.1	968,907	953,592	1.6	137,363	137,648	-0.2	1,017,346	965,695	5.3
Total Exports	D1	D1		D1	D1							
Total Domestic	130,041	135,603	-4.1	968,907	953,592	1.6						
Textile Coating & Treating Resins	1,934	1,677	15.3	14,675	14,759	-0.6	3,829	2,440	56.9	27,692	17,489	58.3
Paper Coating & Treating Resins	4,419	5,580	-20.8	33,932	34,201	-0.8	4,505	5,784	-22.1	34,835	36,037	-3.3
Molding Compounds	D2	D2		D2	D2		D2	D2		D2	D2	
Bonding & Adhesive Resins for:	99,893	108,323	-7.8	761,833	770,467	-1.1	104,856	108,181	-3.1	792,947	766,889	3.4
Laminating	1,277	4,055	-68.5	12,050	47,855	-74.8	1,408	3,605	-60.9	12,584	40,902	-69.2
Plywood	4,335	4,586	-5.5	34,152	40,528	-15.7	4,346	4,781	-9.1	34,560	41,702	-17.1
Fibrous & Granulated Wood (Particle Board)	94,281	99,682	-5.4	715,631	682,084	4.9	99,102	99,795	-0.7	745,803	684,285	9.0
Protective Coatings (Straight & Modified)	8,804	7,444	18.3	58,391	65,446	-10.8	11,086	10,579	4.8	78,471	82,960	-5.4
All Other Uses	14,991	12,576	19.2	100,076	68,719	45.6	13,087	10,664	22.7	83,401	62,320	33.8
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	253,035	239,377	5.7	1,760,622	1,691,499	4.1	253,532	236,492	7.2	1,767,418	1,704,813	3.7
Total Exports	2,145	1,558	37.7	14,797	10,852	36.4						
Total Domestic	250,890	237,819	5.5	1,745,825	1,680,647	3.9						
Molding Compounds	11,792	11,647	1.2	98,803	105,036	-5.9	12,041	9,777	23.2	111,089	112,091	-0.9
Bonding & Adhesive Resins for:	235,713	223,056	5.7	1,624,860	1,551,739	4.7	238,039	223,474	6.5	1,633,847	1,566,335	4.3
Laminating	14,097	18,205	-22.6	102,423	129,092	-20.7	14,139	18,225	-22.4	102,450	132,794	-22.9
Coated & Bonded Abrasives	1,617	2,400	-32.6	16,125	16,272	-0.9	1,768	2,404	-26.5	16,161	17,820	-9.3
Friction Materials	3,650	3,203	14.0	27,302	23,636	15.5	3,765	3,201	17.6	27,964	24,368	14.8
Insulation Materials	33,990	34,942	-2.7	239,963	250,733	-4.3	36,027	35,000	2.9	249,097	255,398	-2.5
Foundry & Shell Molding	6,499	3,867	68.1	46,568	27,387	70.0	6,943	3,902	77.9	46,441	28,254	64.4
Plywood	D3	127,540		D3	866,412		D3	128,541		D3	867,202	
Fibrous and Granulated Wood	D3	D3		D3	D3		D3	D3		D3	D3	
Resins Sold to Rubber Industry	D3	1,632		D3	8,796		D3	1,622		D3	9,170	
All Other	175,860	31,267	N/C	1,192,479	229,411	N/C	175,397	30,579	N/C	1,191,734	231,329	N/C
Protective Coatings - Unmodified & Modified	D2	954		D2	7,736		D2	936		D2	7,437	
Resins Sold to Rubber Ind. - Non Adhesive Uses	D2	D2		D2	D2		D2	D2		D2	D2	
All Other Uses	3,385	2,162	N/C	22,162	16,136	N/C	3,452	2,305	N/C	22,482	18,950	N/C

D1 = Disclosure: Included in Domestic, Total and All Other Uses.
D2 = Disclosure: Included in All Other Uses.
D3 = Disclosure: Included in All Other Bonding & Adhesive Resins.

(1) = Phenolic is on a Gross Weight Basis.
N/C = Not Comparable.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
LOW DENSITY POLYETHYLENE - 0.940 & BELOW, TOTAL (6)	559,087	527,120	6.1	4,052,289	3,891,671	4.1	637,896	514,721	23.9	4,296,618	3,953,964	8.7
Imports, Total							16,147	8,279	95.0	100,377	57,796	73.7
Exports, Total	68,687	70,940	-3.2	466,048	515,620	-9.6						
Domestic, Total	490,400	456,180	7.5	3,586,241	3,376,051	6.2	621,749	506,442	22.8	4,196,241	3,896,168	7.7
Film (12 Mils & Below)	295,302	261,906	12.8	2,107,286	1,909,995	10.3						
Packaging Film	200,809	177,600	13.1	1,437,945	1,299,455	10.7						
Food Packaging Film	89,893	84,039	7.0	679,476	620,820	9.4						
Non-Food Packaging Film	86,628	75,009	15.5	594,267	544,145	9.2						
Shrink Film	13,660	D10		91,017	D10							
Stretch Film	10,628	18,552	N/C	73,185	134,490	N/C						
Non-Packaging Film	94,493	84,306	12.1	669,341	610,540	9.6						
Carry-Out Bags	14,623	7,628	91.7	72,605	68,281	6.3						
Trash and Can Liners	30,040	28,298	6.2	209,230	217,055	-3.6						
Other Non-Packaging Film	49,830	48,380	3.0	387,506	325,204	19.2						
Sheet (Over 12 Mils)	5,205	6,130	-15.1	41,459	53,750	-22.9						
Injection Molding	27,710	28,492	-2.7	215,566	230,432	-6.5						
Injection Molded Lids	5,757	4,756	21.0	45,939	30,116	52.5						
Injection Molded Housewares	3,777	2,896	30.4	28,418	30,970	-8.2						
Other Injection Molding	18,176	20,840	-12.8	141,209	169,346	-16.6						
Wire and Cable	18,046	D5		156,856	D5							
Extrusion Coating	61,547	D5		440,623	D5							
Blow Molding	4,843	4,666	3.8	35,816	37,976	-5.7						
Pipe and Conduit, Total	D5	D5		D5	D5							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	8,159	84,596	N/C	52,029	614,541	N/C						
Rotomolding	D2	D2		D2	D2							
Resellers & Compounders, Total	45,050	47,015	-4.2	319,703	312,268	2.4						
Resellers	28,355	37,213	-23.8	222,830	239,245	-6.9						
Compounders	16,695	9,802	70.3	96,873	73,023	32.7						
Adhesives and Sealants	7,470	D2		61,973	D2							
All Other Uses	17,068	23,375	N/C	154,930	217,089	N/C						

D2 = Disclosure: Included in All Other Uses.
D5 = Disclosure: Included in Other Extruded Products.
D10 = Disclosure: Included in Stretch Film.
(6) = Sales Include Imports.
D = Disclosure
N/C = Not Comparable

Compiled By Ernst & Young, Washington DC, for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
LINEAR LOW DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	361,437	301,974	19.7	2,606,984	2,080,948	25.3	404,065	316,733	27.6	2,664,634	2,145,936	24.2
Imports, Total							71,204	52,967	34.4	479,424	376,854	27.2
Exports, Total	20,344	11,486	77.1	130,033	87,183	49.1						
Domestic, Total	341,093	290,488	17.4	2,476,951	1,993,765	24.2	332,861	263,766	26.2	2,185,210	1,769,082	23.5
Film (12 Mils & Below)	219,567	182,228	20.5	1,625,277	1,267,108	28.3						
Packaging Film	97,679	80,291	21.7	708,180	588,721	20.3						
Food Packaging Film	15,714	13,372	17.5	124,301	106,965	16.2						
Non-Food Packaging Film	55,175	46,610	18.4	391,133	331,655	17.9						
Shrink Film	D10	D10		D10	D10							
Stretch Film	26,790	20,309	31.9	192,746	150,101	28.4						
Non-Packaging Film	121,888	101,937	19.6	917,097	678,387	35.2						
Carry-Out Bags	19,743	14,044	40.6	140,256	109,106	28.6						
Trash and Can Liners	81,740	71,154	14.9	602,425	457,975	31.5						
Other Non-Packaging Film	20,405	16,739	21.9	174,416	111,306	56.7						
Sheet (Over 12 Mils)	1,868	3,150	-40.7	9,311	18,750	-50.3						
Injection Molding	48,777	42,720	14.2	298,760	239,433	24.8						
Injection Molded Lids	16,334	20,631	-20.8	105,362	115,820	-9.0						
Injection Molded Housewares	22,563	16,318	38.3	126,631	82,525	53.4						
Other Injection Molding	9,880	5,771	71.2	66,767	41,088	62.5						
Wire and Cable	9,765	D5		85,164	D5							
Extrusion Coating	D5	D5		D5	D5							
Blow Molding	1,758	1,802	-2.4	17,611	10,012	75.9						
Pipe and Conduit, Total	4,982	D5		36,404	D5							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	2,523	19,200	N/C	18,985	140,812	N/C						
Rotomolding	28,974	D2		183,584	D2							
Resellers & Compounders, Total	16,650	13,928	19.5	134,036	112,047	19.6						
Resellers	6,384	9,524	-33.0	65,721	79,515	-17.3						
Compounders	10,266	4,404	133.1	68,315	32,532	110.0						
Adhesives and Sealants	D2	D2		D2	D2							
All Other Uses	6,229	27,460	N/C	67,819	205,603	N/C						

D2 = Disclosure: Included in All Other Uses.
D5 = Disclosure: Included in Other Extruded Products.
D10 = Disclosure: Shrink Film is Included in Stretch Film.
D10 = Disclosure: Included in Stretch Film.
(6) = Sales Include Imports.
D = Disclosure
N/C = Not Comparable

Compiled By Ernst & Young, Washington DC, for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
HIGH DENSITY POLYETHYLENE - ABOVE 0.940, TOTAL	708,533	651,352	8.8	4,774,015 R	4,598,598	3.8	712,497	685,788	3.9	4,702,110	4,760,354	-1.2
Exports, Total	55,500	64,021	-13.3	384,420 R	469,644	-18.1						
Domestic, Total	653,033	587,331	11.2	4,389,595 R	4,128,954	6.3						
Film (12 Mils & Below)	70,956	67,871	4.5	506,562 R	445,938	13.6						
Packaging Film	17,012	17,275	-1.5	139,923 R	111,615	25.4						
Food Packaging Film	12,280	12,179	0.8	96,144 R	76,364	25.9						
Non-Food Packaging Film	4,732	5,096	-7.1	43,779 R	35,251	24.2						
Non-Packaging Film	53,944	50,596	6.6	366,639 R	334,323	9.7						
Retail Bags	38,547	24,549 F	N/C	269,096 R	169,848 F	N/C						
Grocery Sacks & T-Shirt Bags	20,827	N/A		141,055 R	N/A							
All Other Retail Bags	4,398	N/A		36,437 R	N/A							
Trash Bags/Can Liners	13,322	D9		91,604 R	D9							
All Other Non-Packaging Film	15,397	26,047	N/C	97,543 R	164,475	N/C						
Sheet (Over 12 Mils)	31,168	20,376	53.0	227,695	180,868	25.9						
Injection Molding, Total	143,991	122,845	17.2	894,901 R	826,192	8.3						
Pails (5 gallons or less)	38,332	37,806	1.4	254,942 R	248,037	2.8						
Housewares	12,246	11,732	4.4	60,909 R	62,908	-3.2						
Food Tubs/Containers & Drink Cups	28,530	22,813	25.1	179,438 R	145,756	23.1						
Crates and Totes	18,862	11,935	58.0	113,425 R	96,255	17.8						
Toys/Novelties/Sporting Goods	3,599	N/A		35,143	N/A							
Caps and Closures	8,265	N/A		62,242 R	N/A							
All Other Injection Molding	34,157	38,559	N/C	188,802 R	273,236	N/C						
Wire and Cable	13,364	13,504	-1.0	101,614 R	91,250	11.4						
Blow Molding, Total	229,074	234,911	-2.5	1,632,529 R	1,678,671	-2.7						
Motor Oil Bottles	17,056	17,000	0.3	127,736 R	109,454	16.7						
Liquid Food Bottles	80,556	72,982	10.4	544,018 R	523,665	3.9						
Household Chemical Bottles	71,244	70,477	1.1	510,636	512,023	-0.3						
Industrial Drums	10,239	20,661 G	N/C	76,059	152,720 G	N/C						
Gas Tanks, All Uses	3,760	N/A		19,946	N/A							
Pharm., Cosmetics, & Toiletries	16,081	N/A		128,716	N/A							
All Other Blow Molding	30,138	53,791	N/C	225,418 R	380,809	N/C						
Pipe and Conduit, Total	57,191	38,060	50.3	315,214	280,582	12.3						
Corrugated	8,258	7,708	7.1	58,347	52,324	11.5						
Non-Corrugated	48,933	30,352	61.2	256,867	228,258	12.5						
Gas Distribution	13,079	N/A		86,831	N/A							
Water	D11	N/A		D11	N/A							
Industrial/Sewer	D11	N/A		D11	N/A							
All Other Non-Corrugated Pipe	35,854	N/A		170,036	N/A							
Other Extruded Products	7,430	5,112	45.3	50,223	40,713	23.4						
Rotomolding	5,507	6,306	-12.7	42,492	40,738	4.3						
Reseller & Compounders, Total	72,396	55,610	30.2	448,645	389,490	15.2						
Resellers	65,821	51,073	28.9	417,126	353,037	18.2						
Compounders	6,575	4,537	44.9	31,519	36,453	-13.5						
All Other HDPE	21,956	22,736	-3.4	169,720	154,512	9.8						

D9 = Disclosure: Included in Other Non-Packaging Film.
D11 = Disclosure: Included in All Other Non-Corrugated Pipe.
N/C = Not Comparable.
N/A = Not Available
R = Revision
F = Reported as Carry Out Bags in 1989.
G = Reported as Large Containers in 1989.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYPROPYLENE, TOTAL	635,972	531,592	19.6	4,691,832	4,218,443	11.2	660,149	575,745	14.7	4,820,632	4,294,609	12.2
Exports, Total	113,743	60,679	87.5	868,658	681,462	27.5						
Domestic, Total	522,229	470,913	10.9	3,823,174	3,536,981	8.1						
Injection Molding, Total	148,398	134,156	10.6	1,128,058 R	1,055,961	6.8						
Appliances	13,184	10,648	23.8	104,831 R	95,118	10.2						
Consumer Products	47,710	48,506	-1.6	368,232 R	326,124	12.9						
Rigid Packaging	50,934	44,276	15.0	381,798	361,226	5.7						
Transportation	22,351	20,417	9.5	169,781	163,093	4.1						
All Other Injection Molding	14,219	10,309	37.9	103,416	110,400	-6.3						
Blow Molding	12,921	9,188	40.6	85,342	71,825	18.8						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below), Total	50,704	52,082	-2.6	345,103	350,712	-1.6						
Oriented Film	41,612	41,034	1.4	278,280	269,252	3.4						
Non-Oriented Film	9,092	11,048	-17.7	66,823	81,460	-18.0						
Sheet (Over 10 Mils), Total	10.540	7,707	36.8	78,845	76,001	3.7						
Packaging	D	N/A		D	N/A							
Non-Packaging	D	N/A		D	N/A							
Extrusion Coating	1,771	D5		11,998	D5							
Wire and Cable	D5	D5		D5	D5							
Fiber and Filaments, Total	173,349	165,634	4.7	1,218,975	1,138,778	7.0						
Textile Applications	164,976	159,290	3.6	1,149,997	1,081,842	6.3						
Nonwovens	49,163	44,783	9.8	350,893	286,945	22.3						
Monofilament & Multifilament Fibers	58,898	64,161	-8.2	404,257	496,858	-18.6						
Slit Film Fibers	56,915	50,346	13.0	394,847	298,039	32.5						
Non-Textile Monofilaments	8,373	6,344	32.0	68,978	56,936	21.2						
Pipe and Conduit	D5	D5		D5	D5							
Other Extruded Products	9,883	5,895	N/C	71,782	57,057	N/C						
Resellers/Distributors/Compounders, Total	107,057	92,142	16.2	845,592	747,209	13.2						
Resellers	36,484	65,380 C	N/C	311,757	510,314 C	N/C						
Distributors	26,586	N/A		224,8b9	N/A							
Compounders	43,987	26,762	64.4	308,966	236,895	30.4						
All Other Uses	7,606	4,109	85.1	37,479 R	39,438	-5.0						

D5 = Disclosure: Included in Other Extruded Products.
D = Disclosure
C = Reported as Resellers and Distributors in 1989.

N/C = Not Comparable
N/A = Not Available
R = Revision

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYSTYRENE RESINS, TOTAL (E)	432,997	408,373	6.0	3,024,490	3,030,515	-0.2	440,912	428,194	3.0	2,930,822	3,046,861	-3.8
Crystal (Solid) Polystyrene	232,226	218,252 A	N/C	1,620,277	1,626,987 A	N/C	165,893	232,250 A	N/C	1,148,881	1,664,379 A	N/C
Rubber Modified Polystyrene	200,771	190,121	5.6	1,404,213	1,403,528	0.0	218,443	195,944	11.5	1,365,742	1,382,482	-1.2
Expandable Polystyrene	D13			D13			56,576			416,199		
Exports, Total	14,309	15,448	-7.4	104,209	120,483	-13.5						
Crystal (Solid) Polystyrene	7,641	8,625 A	N/C	59,515	67,024 A	N/C						
Rubber Modified Polystyrene	6,668	6,823	-2.3	44,694	53,459	-16.4						
Expandable Polystyrene	D13			D13								
Domestic, Total	418,688	392,925	6.6	2,920,281	2,910,032	0.4						
Molding	148,983	154,522	-3.6	1,012,823 R	1,184,624	-14.5						
Extrusion	195,060	169,764	14.9	1,420,919 R	1,232,094	15.3						
Expandable Polystyrene	61,820	57,863	6.8	402,059	398,494	0.9						
Block	26,510	22,254	19.1	152,177	147,529	3.2						
Shape	12,830	10,233	25.4	89,694	85,903	4.4						
Loose Fill	D6	D6		D6	D6							
Other EPS	22,480	25,376	-11.4	160,188	165,062	-3.0						
All Other Uses	12,825	10,776	19.0	84,480	94,820	-10.9						
Polystyrene End-Uses, Total	418,688	392,925	6.6	2,920,281	2,910,032	0.4						
Packaging & One Time Use	169,314	162,114 B	4.4	1,139,790	1,129,917 B	0.9						
Consumer & Institutional Products	40,710	51,940	-21.6	305,638	428,191	-28.6						
Electrical/Electronics	53,512	46,122	16.0	398,658	369,280	8.0						
Furniture,Furnishings,Bldg. & Construction	26,615	22,622	17.7	187,905	175,088	7.3						
Expandable Polystyrene	61,820	57,863	6.8	402,059	398,494	0.9						
Resellers and Compounders	51,292	44,704	14.7	357,729	306,102	16.9						
All Other End-Uses	15,425	7,560	104.0	128,502	102,960	24.8						

D6 = Disclosure: Included in Other EPS
D13 = Included in Crystal(Solid) Polystyrene
A = Reported as Straight Polystyrene in 1989.
B = Consists of Packaging & Disposable Food Serviceware lines reported in 1989.
E = Estimate – Data includes estimates for one company.

N/C = Not Comparable
D = Disclosure
R = Revision

Compiled By Ernst & Young, Washington DC, for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
ABS (ACRYLONITRILE-BUTADIENE-STYRENE), TOTAL	101,372	88,783	14.2	693,530 R	750,580	-7.6	109,789	106,437	3.1	688,037 R	819,260	-16.0
SAN (STYRENE-ACRYLONITRILE), TOTAL	10,824	8,255	31.1	77,810 R	66,659	16.7	11,400	8,686	31.2	74,505	72,555	2.7
Total Exports	4,166	1,943	114.4	28,932 R	21,411	35.1						
Total Domestic	6,658	6,312	5.5	48,878 R	45,248	8.0						
OTHER STYRENICS (40% OR MORE STYRENE), TOTAL	11,037	10,687	3.3	90,513	90,563	-0.1	10,487	9,576	9.5	84,606	84,667	-0.1
ABS, SAN, & OTHER STYRENICS, TOTAL	123,233	107,725	14.4	861,853 R	907,802	-5.1	131,676	124,699	5.6	847,148 R	976,482	-13.2
Total Exports	N.R. 1	N.R. 1		N.R. 1	N.R. 1							
Total Domestic	123,233	107,725	14.4	861,853 R	907,802	-5.1						
Electrical/Electronics	N.R. 2	N.R. 2		N.R. 2	N.R. 2							
Building & Construction	9,612	10,894	-11.8	79,600 R	93,583	-14.9						
Transportation	30,905	27,275	13.3	223,772 R	241,895	-7.5						
Consumer & Institutional	N.R. 2	N.R. 2		N.R. 2	N.R. 2							
All Other Uses	82,716	69,556	18.9	558,481 R	572,324	-2.4						
STYRENE BASED LATEXES, TOTAL*(E)	82,878	80,365	3.1	632,214	597,113	5.9	80,330	74,362	8.0	594,150	569,704	4.3
Carpet Backing	24,522	29,539	-17.0	206,312	222,529	-7.3						
All Other Uses	58,356	50,826	14.8	425,902	374,584 J	13.7						
NYLON RESINS, TOTAL(6)	45,043	44,540	1.1	331,228	347,562	-4.7	N/A	N/A		N/A	N/A	
Imports, Total							N/A	N/A		N/A	N/A	
Exports, Total	6,392	7,325	-12.7	42,873	45,821	-6.4						
Domestic, Total	38,651	37,215	3.9	288,355	301,741	-4.4	49,381	46,358	6.5	335,594	344,607	-2.6
Injection Molding Grade	22,803	21,988	3.7	169,690	180,486	-6.0						
Extrusion Grade	12,628	11,262	12.1	91,175	87,342	4.4						
Resellers & Compounders	1,807	2,849	-36.6	21,154	24,005	-11.9						
All Other Uses	1,413	1,116	26.6	6,336	9,908	-36.1						
Nylon End-Uses, Total	38,651	37,215	3.9	288,355	301,741	-4.4						
Automotive and Truck	13,658	N/A		97,129	N/A							
Electrical and Electronic	3,207	N/A		33,764	N/A							
Appliances	1,094	N/A		8,113	N/A							
Film and Coating	6,758	N/A		44,538	N/A							
Wire and Cable	3,665	N/A		20,950	N/A							
Monofilament	1,615	N/A		12,856 R	N/A							
Consumer	1,795	N/A		12,044	N/A							
Industrial/Machinery	3,376	N/A		25,743	N/A							
All Other End-Uses	3,483	N/A		33,218 R	N/A							

N.R.1 - Not Reported; Included in Total Domestic and All Other Uses.
N.R.2 - Not Reported; Included in All Other Uses.
* - Styrene Based Latexes Sales include some Canadian produced material.
J = Consists of All Other Uses, Paper Treating, and Textile Treating Lines reported in 1989.
E = Estimate - Data includes estimates for one company.

R = Revision
N/A = Not Available
(6) - Includes sales from imports.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (DRY RESIN CONTENT)	706,152	636,774	10.9	5,339,663	4,895,767	9.1	711,730	702,002	1.4	5,272,547	4,964,681	6.2
Homopolymer Resins, Including Blending & Latex	656,113	585,074	12.1	4,940,473	4,483,946	10.2	664,438	654,318	1.5	4,861,208	4,546,145	6.9
Copolymer Resins, Including Blending & Latex	12,900	18,624	-30.7	114,932	126,997	-9.5	11,234	14,108	-20.4	112,444	127,522	-11.8
Dispersion Resins	37,139	33,076	12.3	284,258	284,824	-0.2	36,058	33,576	7.4	298,895	291,014	2.7
Exports, Total	61,429	62,066	-1.0	511,006	413,448	23.6						
Domestic, Total	644,723	574,708	12.2	4,828,657	4,482,319	7.7						
Calendering, Total	74,457	76,814	-3.1	554,150	516,399	7.3						
Flooring	14,425	17,931	-19.6	128,622	121,544	5.8						
Textile	6,686	15,008	-55.5	60,957	73,909	-17.5						
All Other Calendering Uses	53,346	43,875	21.6	364,571	320,946	13.6						
Coating, Total	25,453	24,956	2.0	192,724	212,265	-9.2						
Flooring	9,978	10,091	-1.1	86,942	87,752	-0.9						
Textile and Paper Coating	8,165	7,471	9.3	52,717	62,450	-15.6						
Protective Coatings	3,890	3,663	6.2	26,433	30,370	-13.0						
Adhesives & All Other Coating Uses	3,420	3,731	-8.3	26,632	31,693	-16.0						
Extrusion, Total	451,308	393,016	14.8	3,293,428	3,032,614	8.6						
Wire and Cable	23,764	24,615	-3.5	219,977	225,791	-2.6						
Film and Sheet, Packaging	18,557	27,954	-33.6	182,166	190,291	-4.3						
Film and Sheet, Non-Packaging	2,749	3,201	-14.1	25,510	31,788	-19.7						
Siding, Siding Acc. & Moble Home Skirting	71,559	68,457	4.5	494,510	450,840	9.7						
Rigid Pipe and Tubing (except fittings)	289,576	225,777	28.3	2,023,282	1,818,953	11.2						
All Other Extrusion Uses	45,103	43,012	4.9	347,983	314,951	10.5						
Molding, Total	41,192	34,410	19.7	309,711	308,713	0.3						
Bottles	16,738	12,219	37.0	132,152	125,523	5.3						
Fittings (Rigid Pipe and Tubing)	15,522	10,707	45.0	104,615	92,410	13.2						
All Other Molding Uses	8,932	11,484	-22.2	72,944	90,780	-19.6						
Paste Processes (except coating), Total	13,995	12,350	13.3	103,229	104,091	-0.8						
Plastisol Formulation	7,924	6,748	17.4	56,814	55,543	2.3						
All Other Paste Process Uses	6,071	5,602	8.4	46,415	48,548	-4.4						
Resellers & Compounders	23,866	17,884	33.4	203,893	186,664	9.2						
All Other Uses	14,452	15,278	-5.4	171,522	121,573	41.1						

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)												
Exports, Total												
Domestic, Total												
Emulsion Paints												
Adhesives, Caulks and Sealants												
Paper Treating & Paper Coating												
Textile Treating												
Non-Woven Binders												
All Other Uses												
POLYVINYL ALCOHOL, TOTAL (3)												
Exports, Total												
Domestic, Total												
OTHER VINYL RESINS, TOTAL (4)	12,944	15,495	-16.5	111,454	117,445	-5.1	15,214	19,033	-20.1	126,805	130,909	-3.1
Exports, Total	4,089	5,657	-27.7	39,514	41,634	-5.1						
Domestic, Total	8,855	9,838	-10.0	71,940	75,811	-5.1						
THERMOPLASTIC POLYESTER, TOTAL (6)	150,753	139,671	7.9	1,097,618	981,475	11.8	153,661	124,346	23.6	1,078,919	958,832	12.5
Exports, Total	29,275	28,116	4.1	213,051	168,030	26.8						
PET Bottle Grade Resin, Exports	D	D		D	D							
All Other Exports	D	D		D	D							
Domestic, Total	121,478	111,555	8.9	884,567	813,445	8.7						
Domestic PET	N.R.	N.R.		N.R.	N.R.							
Solid State Phase Resin	D12	D12		D12	D12							
PET Bottle Grades	80,610	76,517	5.3	618,745 R	545,708	13.4						
PET/PBT Resellers & Compounders	N.R.4	N/A		N.R.4	N/A							
All Other Thermoplastic Polyester	40,868	35,038	16.6	265,822 R	267,737	-0.7						

(2) – The publishing of PVAC data has been suspended.

(3) – The publishing of PVOH data has been suspended.

(4) – Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.

D12 = Disclosure: Included in All Other Thermoplastic Polyester.

N.R.4 = Not Reported: Included in All Other Thermoplastic Polyester.

R = Revision

N.R. = Not Reported

D = Disclosure

(6) – Includes sales from imports.

The Society of the
Plastics Industry, Inc.

Monthly Statistical Report-Resins

SPI

1275 K Street, N.W., #400
Washington, D.C. 20005
(202) 371-5200

FOR THE MONTH AND PERIOD ENDED

JUNE 30, 1990

DATA FOR CALCULATING
APPARENT CONSUMPTION OF
THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN
QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

Release Date: September 14, 1990

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(Millions of pounds, dry weight basis)(1)

CRS

JUNE 1990

RESIN KIND	JUNE				YEAR-TO-DATE			
	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS*	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS
EPOXY RESIN, TOTAL	39.6	36.7	1.6	5.6	254.4 R	195.2 R	7.9	36.1
POLYESTER (UNSATURATED) RESINS, TOTAL	104.2	100.8	0.7	7.3	644.0 R	624.6 R	3.4	51.9
UREA RESINS, TOTAL **	130.1	127.9	1.7	4.2	779.7	754.0	10.9	20.8
MELAMINE RESINS, TOTAL **	18.9	14.9	0.4	1.4	100.3	84.9	2.3	7.6
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	254.2	250.9	4.2	9.1	1,513.9	1,494.9	21.2	51.7
THERMOSETTING RESINS, TOTAL	547.0	531.2	8.6	27.6	3,292.3	3,153.6	45.7	168.1
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	586.9	491.2	26.9	57.0	3,574.5	3,095.8	121.6	397.2
LINEAR LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	342.3	343.4	73.9	21.1	1,852.3 R	2,135.9 R	424.8	134.4
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	666.1	620.3	44.8	64.0	3,989.6 R	3,735.6 R	251.6	439.3
POLYPROPYLENE, TOTAL	693.0	533.6	5.1	140.8	4,160.5 R	3,300.9 R	31.1	865.2
ABS RESINS, TOTAL ** (ACRYLONITRILE-BUTADIENE-STYRENE)	98.4	96.4	8.6	14.2	577.5	591.9 R	41.0	78.7
SAN (STYRENE-ACRYLONITRILE) RESINS, TOTAL	9.8	6.2	0.9	7.3	63.1	42.1	3.6	37.6
OTHER STYRENICS **	98.7	107.0	0.1	13.9	587.9 R	628.8 R	2.4	86.0
POLYSTYRENE RESINS, TOTAL	426.2	405.8	9.2	22.5	2,489.9 R	2,501.6 R	42.3	149.2
NYLON RESINS, TOTAL (6)	50.6	42.4	9.5	12.8	286.2	249.7	36.5	79.3
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	761.8	696.8	11.5	55.1	4,560.8	4,183.9	68.5	471.1
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (4)								
POLYVINYL ALCOHOL, TOTAL (4)								
OTHER VINYL RESINS	15.1	10.3	N/A	N/A	111.6	63.1 R	N/A	N/A
THERMOPLASTIC POLYESTER, TOTAL (6)	164.5	130.5	5.8	40.0	925.3	763.1 R	31.3	224.3
THERMOPLASTIC RESINS, TOTAL	3,913.4	3,483.9	196.3	448.7	23,179.2 R	21,292.4 R	1,054.7	2,962.3
GRAND TOTAL	4,460.4	4,015.1	204.9	476.3	26,471.5 R	24,446.0 R	1,100.4	3,130.4

(1) = Except phenolic resins which are reported on a gross weight basis.

(4) = The publishing of PVOH + PVAC data is temporarily suspended.

* Except for Epoxy Resin, Bureau of Census exports will differ from exports published in the SPI Monthly Statistical Report.

** = Domestic Sales include Exports.

(6) = Data Includes Sales from Imports.

Monthly and Year-To-Date totals may not agree due to government revisions and rounding.

N/A = Not Available

Sources: Sales and Production – SPI Monthly Statistical Report
Imports – Bureau of the Census (IM 145)
Exports – Bureau of the Census (EM 545)

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

Copyright 1990 The Society of the Plastics Industry, Inc.
All rights reserved. Reproduction, resale or other reuse of this material without the express, written consent of SPI is prohibited.